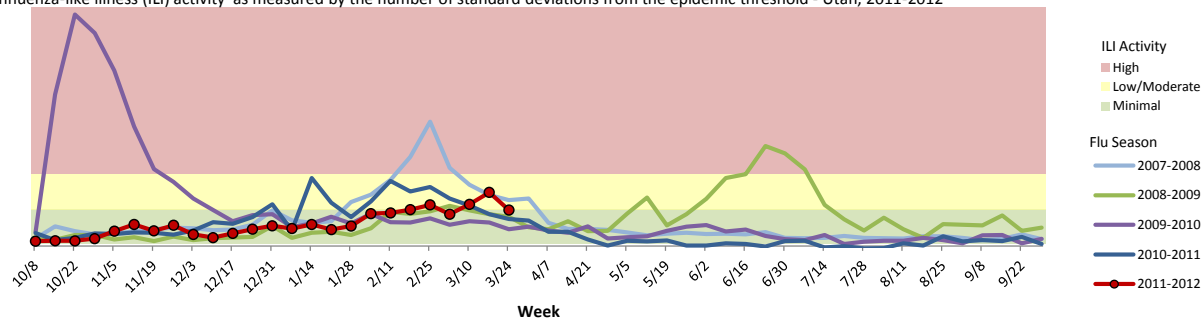


### Influenza-like Illness Activity

#### Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



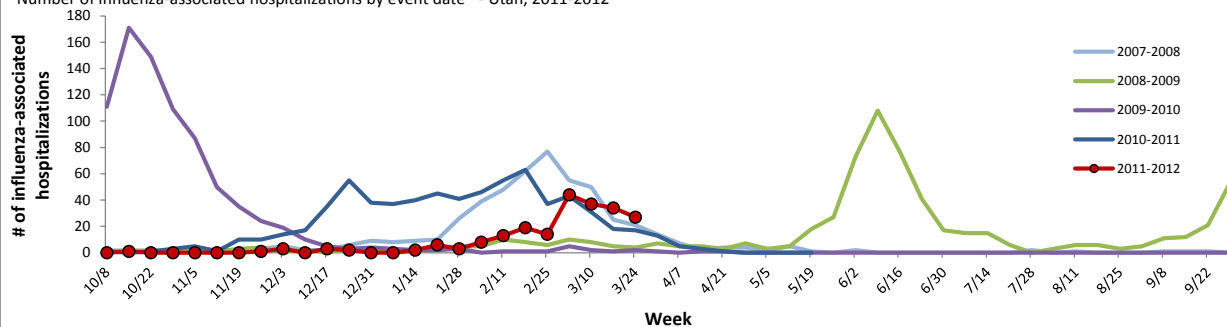
#### Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Low/Moderate
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

### Severity Measures

#### Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date\* - Utah, 2011-2012



\*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

#### Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	119	54.8%	50.3%	0.1814
	Female	98	45.2%	49.7%	0.1814
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	158	72.8%	82.0%	0.0004
	Hispanic	35	16.1%	11.6%	0.0366
	Native Hawaiian/Pacific Islander	13	6.0%	0.7%	<0.0001
	Black/African American	3	1.4%	0.9%	0.4907
	American Indian	1	0.5%	1.1%	0.3499
	Asian	7	3.2%	1.9%	0.1400
	Unknown	0	0.0%	NA	--

\*If a p value is  $\leq 0.05$ , there is a significant difference between the percentage seen in IAH and the general Utah population.

**Severity Measures, cont.**

**Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012**

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	59	27.2%	21.8	5
5-24 years	35	16.1%	3.7	5
25-49 years	48	22.1%	4.8	8
50-64 years	37	17.1%	9.2	1
65+ years	38	17.5%	15.4	8
Total	217	100%	7.6	27

**Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date**

Health District	Total Hospitalizations
Bear River	7
Central	11
Davis	16
Salt Lake	129
Southeastern	1
Southwest	14
Summit	4
Tooele	1
TriCounty	0
Utah	21
Wasatch	0
Weber-Morgan	13

**Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date**

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	37	17.1%	155	71.4%	25	11.5%
Ventilator	12	5.5%	179	82.5%	26	12.0%
Died	3	1.4%	189	87.1%	25	11.5%
Neurological Symptoms	23	10.6%	168	77.4%	26	12.0%
Healthcare Worker	1	0.5%	162	74.7%	54	24.9%
Pregnant	10	4.6%	198	91.2%	9	4.1%
Heart Disorder	30	13.8%	159	73.3%	28	12.9%
Blood Disorder	5	2.3%	181	83.4%	31	14.3%
Kidney Disorder	13	6.0%	179	82.5%	25	11.5%
Metabolic Disorder	33	15.2%	157	72.4%	27	12.4%
Chronic Respiratory Disorder	66	30.4%	124	57.1%	27	12.4%
Immunosuppressed	13	6.0%	177	81.6%	27	12.4%
Neurological Disorder	23	10.6%	168	77.4%	26	12.0%
Seizure Disorder	8	3.7%	181	83.4%	28	12.9%
Bacterial Co-infection	4	1.8%	188	86.6%	25	11.5%
Obese**	43	35.0%	35	28.5%	45	36.6%
Morbidly Obese**	11	8.9%	67	54.5%	45	36.6%
Risk Factor***	187	86.2%	30	13.8%	0	0.0%
Vaccinated	51	23.5%	98	45.2%	68	31.3%

\*\*Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

\*\*\*Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

**Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012**

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	25	92.6%	208	95.9%
Probable**	2	7.4%	9	4.1%
Total	27	100.0%	217	100.0%

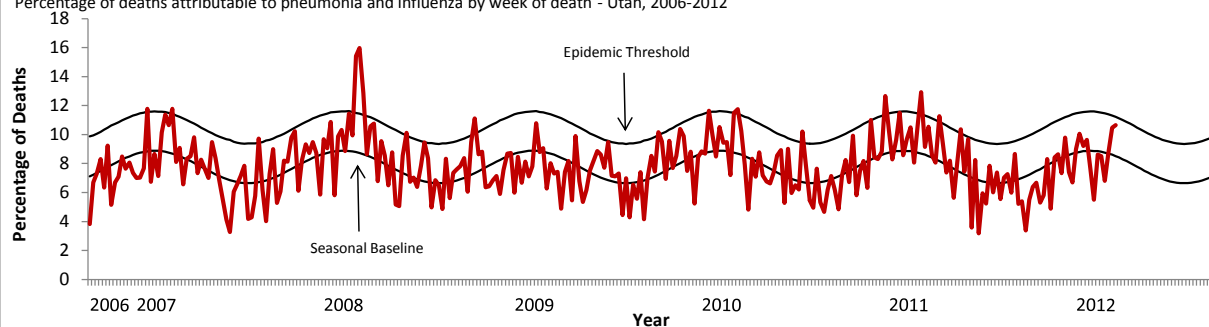
\*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

\*\*Probable= hospitalized with a positive rapid test

### Pneumonia and Influenza Deaths

#### Pneumonia and Influenza Deaths

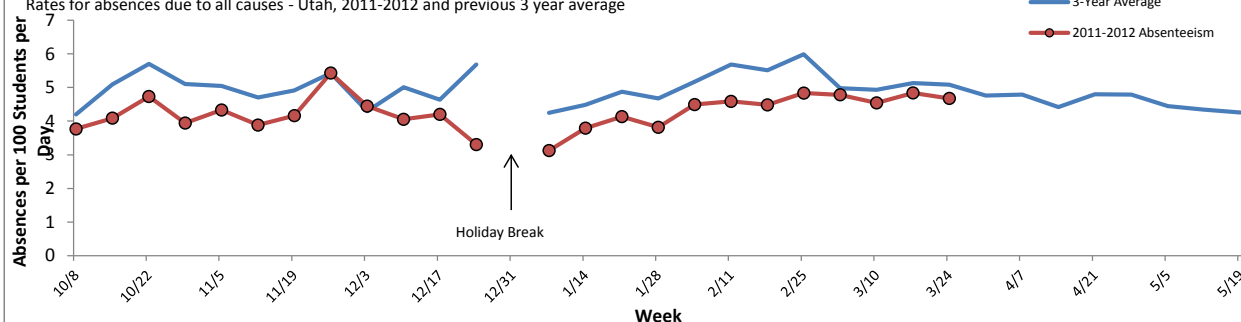
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



### School Absenteeism

#### Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



#### Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.7
Central	4.8
Davis	3.4
Salt Lake	4.3
Southeast	5.3
Southwest	6.0
Summit	4.7
Tooele	6.4
TriCounty	5.0
Utah	2.7
Wasatch	3.7
Weber-Morgan	5.6
<b>State</b>	<b>4.5</b>

### Virologic Data

#### Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	994	--	70	--
Positive specimens	640	64.4%	53	75.7%
<b>Positive Specimens by Type/Subtype</b>				
Influenza A	632	98.8%	52	98.1%
A (2009 H1N1)	431	68.2%	30	57.7%
A (H1)	0	0.0%	0	0.0%
A (H3)	201	31.8%	22	42.3%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	8	1.3%	1	1.9%

#### Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

